



# National Weather Service

## Storm Data and Unusual Weather Phenomena



August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, Northwest

#### Rock Island County

<b>Rock Is</b>	<b>02</b>	<b>1505CST</b>	<b>0</b>	<b>0</b>	<b>50K</b>	<b>Lightning</b>
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Lightning struck the roof area of a home, and the resulting fire caused extensive damage. No one was home at the time of the fire, and there were no directly-related injuries. One firefighter was treated for heat exhaustion.

#### Mercer County

<b>Seaton</b>	<b>02</b>	<b>1510CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E52)</b>
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Thunderstorm winds blew down large tree limbs, which blocked the driveways of two homes.

#### Henry County

<b>Galva</b>	<b>02</b>	<b>1532CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.88)</b>
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Nickel-sized hail reported by emergency management

#### Hancock County

<b>1 SE Dallas City</b>	<b>02</b>	<b>1646CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E52)</b>
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Thunderstorm winds downed utility poles. Reported by a trained spotter.

#### Hancock County

<b>Countywide</b>	<b>02</b>	<b>1650CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E52)</b>
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Thunderstorm winds downed trees and utility poles in the Hamilton and Carthage areas

Event Summary for 8/02/01: (For additional details, see individual entries for the date.)

A surface boundary was in place, extending from southern Wisconsin into southwest Iowa. A moist and very unstable atmosphere interacted with the boundary to produce a line of powerful thunderstorms that raced across eastern Iowa and western Illinois during the afternoon and early evening hours. The primary threat was severe straight-line winds. There was one isolated report of nickel-sized hail in Henry County. Numerous funnel clouds developed along the leading edge of the line, but there were no touchdowns reported.

#### McDonough County

<b>Macomb</b>	<b>03</b>	<b>0046CST</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
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Lightning struck an Illinois State Police tower, which resulted in a temporary communications outage

#### McDonough County

<b>Bushnell</b>	<b>03</b>	<b>0100CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Thunderstorms produced torrential rain, which flooded the intersection of Route 9 and Highway 41. Reported by Emergency Management.

#### Henderson County

<b>Media</b>	<b>03</b>	<b>0120CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Heavy rain flooded route 116. Reported by law enforcement.

#### Henderson County

<b>Stronghurst</b>	<b>03</b>	<b>0151CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Heavy rain completely flooded an underpass along Highway 94. Reported by law enforcement.

Event Summary for 8/03/01: (For additional details, see individual entries for the date.)

A very moist atmosphere, combined with a frontal boundary stretched across the area, produced thunderstorms that continuously developed, or trained, over parts of western Illinois. Thunderstorms produced rainfall amounts up to six inches. County highways and underpasses were flooded in Henderson and McDonough counties.

#### Rock Island County

<b>Andalusia</b>	<b>09</b>	<b>1734CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E52)</b>
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Thunderstorms winds blew a large tree down across a road. Reported by law enforcement.



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### ILLINOIS, Northwest

#### Hancock County

##### Countywide

**09 1830CST**

**0 0**

**Thunderstorm Wind (E61)**

Thunderstorms winds downed numerous trees and utility poles throughout the county, damaged two mobile homes in Nauvoo, and damaged the roof of a building in Carthage. Reported by a local newspaper.

#### Hancock County

##### Plymouth

**09 1900CST**

**0 0**

**Thunderstorm Wind (E56)**

Thunderstorm winds estimated at 65 mph downed tree limbs. Reported by trained spotter

Event Summary for 8/09/01: (For additional details, see individual entries for the date.)

A cold front tracked into eastern Iowa and western Illinois during the afternoon hours. The boundary collided with a very moist and unstable airmass to produce a line of strong to severe thunderstorms. Straight-line thunderstorm winds estimated as high as 70 mph downed numerous trees and utility poles, and damaged a building and two mobile homes over parts of Hancock and Rock Island counties.

#### Hancock County

##### Carthage

**22 1715CST**

**0 0**

**Hail(0.75)**

A trained spotter reported 0.75 inch hail.

#### Hancock County

##### 3 N Plymouth

**22 1737CST**

**0 0**

**Hail(0.75)**

A trained spotter reported 0.75 inch hail.

#### Hancock County

##### Warsaw

**22 1739CST**

**0 0**

**Thunderstorm Wind (E52)**

Fire dept reported 60 mph thunderstorm wind gust

#### Hancock County

##### Nauvoo

**22 1743CST**

**0 0**

**Thunderstorm Wind (E60)**

Law enforcement reported power lines down

#### Mcdonough County

##### 4 W Fandon to 2 SE Fandon

**22 1745CST**

**0 0**

**Thunderstorm Wind (E60)**

A trained spotter reported numerous large trees down near Fandon

#### Hancock County

##### Warsaw

**22 1824CST**

**0 0**

**Thunderstorm Wind (E60)**

Law enforcement reported power lines down

#### Hancock County

##### 2 N Elvaston

**22 1834CST**

**0 0**

**Hail(1.00)**

General public reported 1 inch hail

#### Hancock County

##### Bentley

**22 1850CST**

**0 0**

**Hail(0.75)**

A trained spotter reported 0.75 inch hail

#### Hancock County

##### Warsaw

**22 1900CST**

**0 0**

**Thunderstorm Wind (E60)**

Law enforcement reported additional power lines down

#### Hancock County

##### Carthage

**22 1924CST**

**0 0**

**Urban/Sml Stream Fld**

Law enforcement reported street flooding in Carthage and over Route 96, south of Hamilton and Route 94, north of Carthage



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August 2001

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					Killed	Injured	Property	Crops	

### ILLINOIS, Northwest

#### **Hancock County**

**Augusta**      **22**      **2215CST**           **0**      **0**           **Urban/Sml Stream Fld**  
NWS Cooperative observer reported 6.23 inches of rain since 18:00 CST. Street in Augusta covered by nearly a foot of water.

#### **McDonough County**

**10 S Macomb**      **23**      **0030CST**           **0**      **0**           **Urban/Sml Stream Fld**  
Law enforcement reports water over roads in southern portion of McDonough county

#### **Hancock County**

**Augusta**      **23**      **0600CST**           **0**      **0**           **Heavy Rain**  
NWS Cooperative observer reported 24 hr rainfall total of 8.00 inches

#### **Hancock County**

**Carthage**      **23**      **0600CST**           **0**      **0**           **Heavy Rain**  
NWS Cooperative observer reported 24hr rainfall total of 6.30 inches

Event summary of 08/22/01

Scattered strong thunderstorms developed during the evening hours of August 22 along an east-west boundary located from Northeast Missouri through West-central Illinois. The combination of the front, moderately high CAPEs, vertical wind shear, and a vort-max moving through Eastern Iowa allowed severe thunderstorms to develop along the boundary. Several small bow echo features moved along the front during the evening hours and produced wind damage and severe hail in Hancock and McDonough counties in Illinois. Convergence along the boundary, along with persistent upward motion provided by the vort-max, allowed thunderstorms to train along the stationary boundary into the early morning hours of August 23. Excessive rainfall fell during this period, and produced widespread urban and street flooding in West-central Illinois. NWS Cooperative Observer rainfall observations recorded 6.30 to 8.00 inches in Hancock county from this event

### IOWA, East Central and Southeast

#### **Scott County**

**1 N Buffalo**      **02**      **1435CST**           **0**      **2**           **Thunderstorm Wind (E61)**  
Law enforcement officials said winds estimated at 70 mph were the likely cause of an accident that injured two people (directly-related). Thunderstorm winds blew a car off a rural road into a parked pickup truck. The truck then struck a camper, and the car and truck both struck a nearby mobile home. The driver of the car and a passenger were treated for minor injuries at a local hospital.

#### **Des Moines County**

**Burlington**      **02**      **1515CST**  
                                 **1522CST**           **0**      **0**           **Thunderstorm Wind (E70)**

Thunderstorm downburst winds are the likely cause of damage to residences and a business in a two-block area of Burlington. Winds estimated at 80 mph blew a portion of the roof off a lumber company onto a nearby home. A lean-to shed at the business was also destroyed. The high winds snapped utility poles, and blew down trees and limbs, which damaged numerous homes and vehicles. There were no directly-related injuries. One person suffered minor injuries after tripping over debris while surveying storm damage after the event.

Event Summary for 8/02/01: (For additional details, see individual entries for the date.)

A surface boundary was in place, extending from southern Wisconsin into southwest Iowa. A moist and very unstable atmosphere interacted with the boundary to produce a line of powerful thunderstorms that raced across eastern Iowa and western Illinois during the afternoon and early evening hours. The primary threat was severe straight-line winds. There was one isolated report of nickel-sized hail. Numerous funnel clouds developed along the leading edge of the line, but there were no touchdowns reported. A likely downburst produced extensive damage over a two-block area in Burlington. Two people were injured when thunderstorm



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### IOWA, East Central and Southeast

winds blew their car off the road in rural Scott County.

#### Jefferson County

##### Fairfield

**03 0000CST**      **0**      **0**      **Thunderstorm Wind (E52)**  
Thunderstorms winds snapped a large tree in half and downed other trees throughout the community. Fallen trees brought down power lines, which resulted outages to more than 600 homes. Time estimated. Reported by a local newspaper

#### Jefferson County

##### Fairfield

**03 0050CST**      **0**      **0**      **Flash Flood**  
Torrential rain flooded a road, and stranded several people after two cars stalled in the high water. Reported by law enforcement.

#### Van Buren County

##### Countywide

**03 0647CST**      **0**      **0**      **Flash Flood**  
Torrential rain flooded several roads in the Birmingham and Milton areas. Reported by emergency management.

Event Summary for 8/03/01: (For additional details, see individual entries for the date.)

A very moist atmosphere, combined with a frontal boundary stretched across the area, produced thunderstorms that continuously developed, or trained, over parts of southeast Iowa. Thunderstorms produced rainfall amounts up to six inches. Roads were flooded in Jefferson and Van Buren counties. Several people were stranded after two cars stalled on a flooded road. There was an isolated report of thunderstorm wind damage in Jefferson county.

#### Scott County

##### Le Claire

**09 1700CST**      **0**      **0**      **Thunderstorm Wind (E52)**  
An estimated 60 mph thunderstorm wind gust downed four-inch branches. Reported by off-duty NWS employee.

#### Henry County

##### Mt Union

**09 1715CST**      **0**      **0**      **Thunderstorm Wind (E61)**  
Thunderstorm winds estimated at 70 mph pulled the windows out of several buildings, twisted the legs of a grain bin, downed and split several trees, and uprooted a tree and carried it across town. Reported by fire and rescue officials.

#### Des Moines County

##### West Burlington

**09 1728CST**      **0**      **0**      **Thunderstorm Wind (E52)**  
Thunderstorm winds blew the siding off a building. Reported by law enforcement

#### Lee County

##### Houghton

**09 1753CST**      **0**      **0**      **Thunderstorm Wind (E52)**  
Thunderstorm winds downed trees. Reported by trained spotter.

#### Lee County

##### Houghton

**09 1815CST**      **0**      **0**      **Thunderstorm Wind (E52)**  
Thunderstorm winds damaged grain bins. Reported by trained spotter.

Event Summary for 8/09/01: (For additional details, see individual entries for the date.)

A cold front tracked into eastern Iowa during the afternoon hours. The boundary collided with a very moist and unstable airmass to produce a line of strong to severe thunderstorms. Straight-line thunderstorm winds estimated as high as 70 mph downed trees, and damaged buildings and grain bins over parts of Scott, Des Moines, Henry, and Lee counties.

#### Lee County

##### Ft Madison

**22 2015CST**      **0**      **0**      **Urban/Sml Stream Fld**  
A trained spotter reported urban flooding in Ft. Madison



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### IOWA, East Central and Southeast

Event summary of 08/22/01

Scattered strong thunderstorms developed during the evening hours of August 22 along an east-west boundary located from Northeast Missouri through West-central Illinois. The combination of the front, moderately high CAPEs, vertical wind shear, and a vort-max moving through Eastern Iowa allowed severe thunderstorms to develop along the boundary. Convergence along the boundary, along with persistent upward motion provided by the vort-max, allowed thunderstorms to train along the stationary boundary into the early morning hours of August 23. Excessive rainfall fell during this period, and produced street flooding in parts of extreme Southeast Iowa, as well as Northeast Missouri and West-central Illinois.

### MISSOURI, Northeast

#### **Clark County**

##### **Kahoka**

<b>09</b>	<b>1800CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E61)</b>
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Thunderstorm winds downed numerous trees and utility poles in and around Kahoka. Reported by law enforcement.

Event Summary for 8/09/01: (For additional details, see individual entries for the date.)

A cold front tracked into far northeast Missouri during the afternoon hours. The boundary collided with a very moist and unstable airmass to produce a line of strong to severe thunderstorms. Straight-line thunderstorm winds estimated as high as 70 mph downed numerous trees and utility poles in Clark county. Two people were killed (indirectly-related) when their car hydroplaned on Highway 61 south of Wayland. The vehicle crossed over the center line into the path of a truck. There were no directly-related fatalities or injuries.

#### **Scotland County**

##### **Gorin**

<b>22</b>	<b>1700CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (E60)</b>
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Law enforcement reported trees blown down

#### **Clark County**

##### **1 S Antioch**

<b>22</b>	<b>1735CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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A trained spotter reported 0.75 inch hail

#### **Clark County**

##### **8 N Luray**

<b>22</b>	<b>2045CST 2130CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
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A trained spotter reported 2.30 inches of rain

#### **Clark County**

##### **Antioch**

<b>23</b>	<b>0030CST</b>	<b>0</b>	<b>0</b>	<b>Urban/Sml Stream Fld</b>
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Law enforcement reported water over gravel road in southern Clark county

Event summary of 08/22/01

Scattered strong thunderstorms developed during the evening hours of August 22 along an east-west boundary located from Northeast Missouri through West-central Illinois. The combination of the front, moderately high CAPEs, vertical wind shear, and a vort-max moving through Eastern Iowa allowed severe thunderstorms to develop along the boundary. Several small bow echo features moved along the front during the evening hours and produced wind damage and severe hail in Clark and Scotland counties in Missouri. Convergence along the boundary, along with persistent upward motion provided by the vort-max, allowed thunderstorms to train along the stationary boundary into the early morning hours of August 23. Excessive rainfall fell during this period, and produced street flooding in Clark county Missouri. Trained storm spotters reported 1.45 inches of rain in 45 minutes in central Clark county.